# Homework: Test Management and Issue Tracking

## User Stories

Given the SRS for Task Board App, write user stories for each of the functionalities.

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| **Functionality** | **User Story** |
| **Home Page** | As a user, I want to view the total number of tasks available in the system on the Home Page, so I can have an overview of the task count |
| Welcome Message | As a user, when I open the “Home Page” I want to be able to be greeted with a "Welcome" message. |
| **Side Menu** | As a user, I want to be able to see that the main page contains options for Home, Task Board, Create, and Search. |
| **Task Summary Section** | As a user, I want to be able to see the total number of tasks available in the system.  Also, I want to be able to see a summary of tasks organized by boards, showing the board name and the number of tasks associated with each board. |
| **Quick Access Buttons** | As a user, I want to be able to use buttons that include options for Task Board, Create Task, Search Tasks, and RESTful API. |
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| **Task Board Page** | |
| Display Tasks | As a user I want to be able to see that the Task Board Page displays tasks organized by boards in a grid layout. |
| Board Order | As a user, I want to be able to see the following board order: Open, In Progress, Done. |
| Task contains | As a user I want to be able to see the task title, a brief description, and action options such as "View" and "Edit." |
| Open from Side Menu | As a user I want to be able to access the Task Board Page from the Side Menu |
| Open from Quick Access Buttons | As a user I want to be able to access the Task Board Page from the quick access buttons. |
| Task Creation from “Create” option | As a user I want to be able to create a new task by navigating to the "Create" option |
| **Task Creation** from “New Task” button | As a user I want to be able to create new task by clicking on the "New Task" button located on the Home Page |
| Task creation form contents | As a user I want to be able to see the following contents in the Task creation form: Title, Description, Board. |
| Task creation Not Allowed without a Title | As a user I want NOT to be able to create a task without having a title on it |
| **Task Viewing** | As a user I want to be able to view all tasks in the system organized by boards by selecting the "Task Board" option |
| Each task displays | As a user I want to be able to see that each task displays its title, a brief description and actions options. |
| View complete task details | As a user I want to be able to view the complete details of a task by clicking the "View" button associated with each task. |
| Task Editing | As a user for each task I want to be able to see an "Edit" option. |
| “Edit” option working | As a user I want to be able to verify that the “Edit” option is working to save the changes |
| Editing title, description, moving tasks | As a user I want to be able to edit the title, description, or move the task to a different board |
| **Task Searching** | As a user I want to be able to search for specific tasks by using the "Search" option by providing a keyword |
| Accessing the “Search” option from the side menu | As a user I want to be able to access the “Search” option from the side menu on all pages of the application |
| Accessing the “Search” option from the quick access buttons on the Home Page | As a user I want to be able to access the “Search” option from the quick access buttons on the Home Page |
| Displaying Search Results | As a user I want to be able to see the search results on the search page in a clear and organized manner. |
| Tasks Counter Present | As a user I want to be able to view the total number of tasks found |
| Search Result Information | As a user I want to be able to see that each search result will provide essential information, including the task title, board name, and a brief description if available. |
| Ways of searching | As a user, I want to be able to have the option to initiate a new search by entering a different keyword in the search field and clicking on the "Search" button again. |
| **Accessing Web API** | |
| Access From the Quick Access Buttons | As a user I want to be able to access the Web API by clicking on the "Web API" option from the Quick Access Buttons. |
| Operations on Tasks | As a user, I want to be able to be provided with a set of endpoints for performing CRUD (Create, Read, Update, Delete) operations on tasks. |
| **Non-Functional** |  |
| **Performance** | As a user, I want to be able to access the webpage in less than 3 seconds |
| Search Performance | As a user I want to be able to have the search results not more than 3 seconds after I press the ‘Search’ button |

## Bugs From your bug report, provide the bugs that you found. Give us the expected and actual result.

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| **Functionality** | **Expected Result** | **Actual Result** |
| Home Page | Greeting message should display "Welcome" | Greeting message displays "Hello" |
| Side Menu | Home, Task Board, Create, and Search options available | "Home" and "Create" options available but "Task Board" and "Search" options are not available |
| Home Page | Counter for the total number of tasks to be present | There is no counter for the number of tasks associated with each task board |
| Home Page | "Task Board", "Create Task", "Search Task" and "RESTful API" buttons are all working | "Task Board", "Create Task", "Search Task" buttons are working but "RESTful API" button is not working |
| Home Page | "Create" button option in the left side menu present and working | "Create" button option in the left side menu not working |
| Task Board Page | “Edit" button working editing the task successfully | "Edit" button not working and instead of editing the task it refreshes the page |
| Home Page | "Search" option is present in the side menu on the home page | "Search" option is not present in the side menu on the home page |
| Non-Functional | The web page is loading for less than 3s | The web page is loading after 10s, not for less than 3s |
| Non-Functional | Display the search results not more than 3s after pressing the “Search” button | Search results are displayed 9s after pressing the “Search” button |